

I CLAIM:

1. A method of preventing damage in a machine comprising monitoring an electrical power supply system for the presence and maintenance of a required quality of power by a system monitor; transmitting an unwanted system state in real time to a drive controller having master functionality; and initiating a drive braking function and/or a system standstill by the drive controller.

2. The method according to claim 1, further comprising synchronizing at least two individual drives with each other, and synchronizing a drive braking function and/or a system standstill in response to an unwanted system state.

3. The method according to claim 1, further comprising using a real-time Ethernet for the transmission of an unwanted system state.

4. The method according to claim 1, further comprising transmitting an unwanted system state in real time to the drive controller and providing this information to drive groups via a real-time cross communication.

5. A machine comprising at least two synchronizable individual drives of rotating machine elements and at least one real-time data communication system, and further comprising a monitoring system for monitoring an electrical power supply system to said machine to ensure the presence and maintenance of a required quality of power and detection of an unwanted system state, wherein said real-time data

